

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

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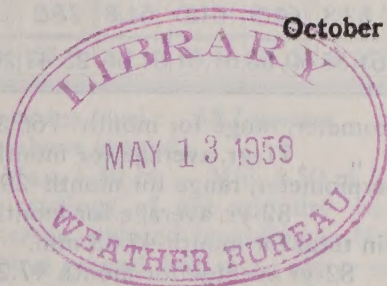
BEIRUT, LEBANON

Latitude: $33^{\circ} 54' 22''$ N.

Longitude: $2^{\text{h}} 21^{\text{m}} 52^{\text{s}}.7$ E.

October 1958

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OCTOBER 1958

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade							
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean		
1	60.6	59.8	60.0	60.1	29.0	21.5	25.0	28.6	24.5	26.0		
2	60.5	59.5	60.3	60.1	28.5	22.1	24.4	27.7	24.5	25.5		
3	60.6	60.2	61.0	60.6	28.2	23.4	25.7	27.6	25.8	26.4		
4	60.9	60.3	60.7	60.6	27.8	23.4	25.7	26.4	24.2	25.4		
5	59.7	58.8	59.3	59.3	27.4	18.9	25.8	26.6	23.0	25.1		
6	60.2	59.7	60.3	60.1	27.3	21.0	21.4	26.9	22.5	23.6		
7	62.7	62.3	62.0	62.3	27.9	21.2	24.1	27.5	23.5	25.0		
8	62.2	60.4	60.2	60.9	28.1	21.4	23.8	27.8	23.5	25.0		
9	58.8	57.6	57.1	57.8	27.7	21.5	24.0	27.3	23.4	24.9		
10	57.2	56.5	56.8	56.8	27.9	21.9	23.4	27.2	25.1	25.2		
11	58.1	58.1	59.0	58.4	28.5	21.0	25.0	28.2	23.0	25.4		
12	60.0	59.4	60.0	59.8	27.6	21.1	24.2	27.5	22.0	24.6		
13	59.8	58.6	59.3	59.2	27.3	21.1	23.7	26.2	23.0	24.3		
14	59.8	58.8	58.7	59.1	27.5	20.7	23.8	27.2	22.6	24.5		
15	59.2	58.4	58.5	58.7	26.0	19.6	23.8	25.0	21.3	23.4		
16	57.8	56.6	56.8	57.1	25.4	17.6	23.1	22.8	19.4	21.8		
17	60.3	60.7	62.5	61.2	25.9	19.2	22.0	25.6	21.6	23.1		
18	64.2	63.5	62.9	63.5	26.0	20.6	23.0	25.3	24.0	24.1		
19	63.1	61.4	61.3	61.9	26.1	20.4	23.5	25.6	22.0	23.7		
20	60.9	59.8	60.4	60.4	25.7	20.2	22.5	25.4	22.7	23.5		
21	62.8	62.4	63.6	62.9	25.7	21.1	22.8	25.2	23.5	23.8		
22	63.9	65.1	65.9	65.6	25.8	21.5	22.8	25.0	23.0	23.6		
23	66.3	64.5	64.9	65.2	24.8	19.5	22.8	24.4	21.4	22.9		
24	64.6	63.6	64.0	64.1	24.4	19.6	22.7	23.8	22.0	22.8		
25	64.4	62.8	62.4	63.2	25.3	19.5	22.1	24.8	21.3	22.7		
26	62.5	60.7	60.5	61.2	25.4	16.8	22.5	24.6	21.6	22.9		
27	60.9	60.4	61.1	60.8	25.2	17.8	17.8	19.1	19.8	18.9		
28	62.3	61.5	62.7	62.2	23.6	18.1	20.6	23.2	20.0	21.3		
29	64.3	63.6	64.4	64.1	23.2	17.8	20.7	22.6	19.8	21.0		
30	64.8	63.2	63.6	63.9	22.9	18.0	20.2	22.2	20.0	20.8		
31	62.8	61.5	61.0	61.8	23.2	20.0	20.0	22.6	22.8	21.8		
	61.55	60.63	61.01	61.06	25.47	20.24	23.00	25.48	22.48	23.64		

Barometer, range for month 766.3mm. — 756.5 mm.

„ 71-yr. average for month 761.31mm.

Thermometer, range for month 29.0°C — 16.8°C

„ 82-yr. average for month 23.8°C

Rain total for month 47.65 mm.

„ 82-yr average for month 47.2 mm.

„ Total, Sept. 1st. to end of month 62.20 mm.

„ 82-yr average. Sept. 1st. to end of month 53.83 mm.

OCTOBER 1958

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	18.9	20.7	19.3	19.6	60	53	63	59	9.5	122	
2	15.9	18.7	19.8	18.1	52	51	64	56	9.4	187	
3	18.6	20.9	21.0	20.2	56	57	63	59	6.8	129	
4	20.8	21.9	22.0	21.6	63	62	74	66	8.0	113	
5	22.5	20.3	19.6	20.8	67	59	70	65	5.5	111	
6	20.2	19.4	18.9	19.5	78	54	70	67	7.6	79	6.20
7	20.7	23.7	22.5	22.3	70	64	78	71	9.3	37	
8	22.7	24.7	22.4	23.3	78	66	79	74	9.2	35	
9	23.0	22.9	22.2	22.7	78	63	77	73	9.3	51	
10	18.1	17.6	21.4	19.0	63	48	67	59	9.5	127	
11	17.6	17.3	17.7	17.5	55	45	63	54	9.3	169	
12	17.5	20.7	28.2	18.8	59	56	70	62	8.1	103	
13	17.6	18.4	19.2	18.4	61	53	69	61	7.5	61	
14	19.4	19.8	20.2	19.8	66	54	74	65	8.5	55	
15	19.8	20.3	21.3	20.5	68	64	84	72	4.7	80	3.80
16	16.0	17.6	17.9	17.2	56	64	82	67	5.2	180	5.22
17	18.2	18.8	19.7	18.9	70	58	77	68	10.4	143	7.90
18	16.7	17.5	19.1	17.8	60	54	64	59	10.5	55	
19	20.5	17.8	19.9	19.4	71	55	75	67	10.4	90	
20	19.4	22.9	21.3	21.2	71	71	79	74	10.3	56	
21	18.9	21.5	21.5	20.6	69	67	74	70	8.3	113	
22	20.7	21.6	21.6	21.3	70	68	77	72	10.2	108	
23	20.3	20.3	20.2	20.3	73	66	78	72	5.7	45	
24	18.3	18.6	19.7	18.9	67	64	74	68	9.1	43	
25	18.8	19.5	19.2	19.2	71	62	75	69	10.0	42	
26	18.0	19.8	17.7	18.5	66	64	70	67	9.9	93	
27	17.7	19.1	15.1	17.3	88	86	66	80	5.8	109	24.53
28	16.5	16.9	15.0	16.1	69	60	64	64	9.9	42	
29	12.6	15.4	13.6	13.9	52	56	59	56	10.2	89	
30	12.5	14.4	14.6	13.8	53	54	62	56	9.5	105	
31	13.8	16.2	15.9	15.3	59	60	57	59	8.8	53	
	18.47	19.52	19.28	19.09	65.8	59.9	70.9	65.5	8.59	91.45	1.54

Height of Barometer above sea level : 33.7 meters.

Height of Thermometers above ground :

Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.

Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.

Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.

Rainfall is read at 20:30 for the preceding 24 hours.

71 year averages are for period, 1875-1945

OCTOBER 1958

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	2ne	3ne	2sw	light	Good Visibility
2	0	0	1cu	0.3	2ne	2ne	2nw	"	Good Visibility
3	8st-cu	10st	8st	8.7	2e	2ne	1ne	"	
4	5cu-st	10cu-st	10ci-st	8.3	2ne	3ne	1ne	"	
5	8cu-st	8cu-st	1cu	5.7	3sw	3sw	1w	"	Tr.a.m
6	10st	4cu-st	0	4.7	2s	2sw	1w	light	
7	0	0	0	0.0	1w	2nw	1nw	"	
8	0	0	0	0.0	1n	1ne	1e	"	H.a.m.p.m
9	0	0	0	0.0	1ne	1e	1e	"	
10	0	0	0	0.0	1e	3ne	3ne	"	
11	0	0	0	0.0	2se	2w	1se	light	
12	0	6cu-st	0	2.0	2se	3w	1se	"	
13	0	5cu-st	0	1.7	1w	2w	1w	"	
14	0	2cu-st	0	0.7	2sw	1w	1sw	"	
15	6ci-st	10cu-st	7cu-st	7.7	2sw	2sw	1sw	"	
16	4cu-ci	10st	10ni	8.0	2sw	3sw	2sw	light	
17	4cu	1cu	2ci-st	2.3	2sw	3sw	2sw	"	
18	0	0	0	0.0	2se	2n	2se	"	
19	0	0	0	0.0	3ne	2ne	1e	"	
20	1ci	4ci	4cu-st	3.0	2ne	2ne	1ne	"	
21	2ci	6cu-ci	3cu-st	3.7	2ne	2ne	1ne	light	
22	0	3ci	4cu	2.3	1ne	2ne	1ne	"	
23	8cu-st	10st	1cu	6.3	2sw	2nw	1ne	"	
24	9cu-st	0	4cu-st	4.3	2sw	2nw	1e	"	
25	1cu	3cu-st	1cu	1.7	2sw	2sw	1sw	"	
26	3ci-st	6cu-st	7cu-st	5.3	2sw	3sw	1sw	light	
27	7cu-st	10cu-st	1cu	6.0	1s	2sw	1sw	"	
28	1cu	3cu	0	1.3	1sw	1w	1e	"	
29	0	0	0	0.0	1e	3ne	1e	"	
30	9ci	9ci	10ci	6.3	1e	2n	1nw	"	
31	2ci	10st	3st	5.0	2ne	2e	1e	"	
	mean			3.07					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	9	4	3	2	10	2	0	0	31
14:30	2	11	2	0	0	8	5	3	0	31
20:30	0	7	7	3	0	8	3	3	0	31
Total	3	27	13	6	2	26	10	6	0	93

Number of days with rain 5, fog 0, thunderstorms 0, gale. 0

71 yr. av. number of days with rain during month 3.84

Time of reading minus 2 hours equals G.C.T